



Missouri
Department of
Natural Resources

Union Electric Company (Ameren Missouri)
Power Plant Name: Howard Bend
Electric Generation and Emissions in 2010

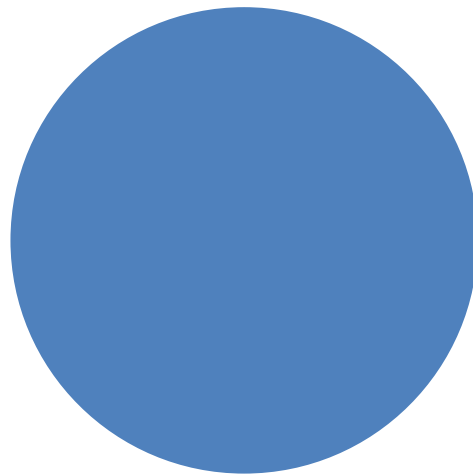
Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
Non-renewable sources						
Coal						
Natural Gas						
Petroleum	392	100.0%	100.0%	70	100.0%	100.0%
Nuclear						
Other						
Non-renewable total	392	100.0%	100.0%	70	100.0%	100.0%
Renewable sources						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
Renewable total						
Grand total	392		100.0%	70		100.0%

Fuel Type	Physical Units	Number of Units
Distillate Fuel Oil	Barrels	68



Net Generation by Fuel Type, 2010 for Howard Bend



■ Petroleum 100.0%



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Power Plant Nameplate information for Howard Bend

Plant Name	County Location	Generator	Generator Type	Generator Status	Nameplate Capacity (MW)
<i>Howard Bend</i>		<i>All Operating Generators</i>			<i>189.6</i>
Howard Bend	St Louis	1	Combustion (Gas) Turbine (includes jet engine design)	Operating - in service	189.6



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Emissions from Electricity Generated in 2010: Howard Bend

	CO2 Equivalent (TONS)	Carbon Dioxide (CO2) (TONS)	Methane (CH4) (TONS)	Nitrogen Dioxide (NO2) (TONS)
Howard Bend	557	127	5	1

	Sulfur Dioxide (SO2) (TONS)	Annual Nitrogen Oxide (NOx) (TONS)	Summer Nitrogen Oxide (NOx) (TONS)
Howard Bend	0	0.0000	0.0000

Identified Flue Gas Desulfurization (FGD) controls installed on Howard Bend power plant

Plant	Control Equipment	Sorbent Type
	No FGD Controls Installed	

Identified Flue Gas Particulate (FGP) controls installed on Howard Bend power plant

Plant	Control Equipment
	No FGP Controls Installed



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Notes:

Generation, emissions and pollution control data include power plants owned by the utility and located in Missouri.

Emissions data calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data

Fuel Consumption and Generation Data from United States Energy Information Administration, Form 923, United States Department of Energy
<http://www.eia.gov/electricity/data/eia923>

Pollution control data (FGD and FGP equipment) from United States Energy Information Administration, Form 860, United States Department of Energy
<http://www.eia.gov/electricity/data/eia860/index.html>

Emissions factors for fuel-based generation from United States Environmental Protection Agency "Emission Factors for Greenhouse Gas Inventories", November 7, 2011,
<http://www.epa.gov/climateleadership/documents/emission-factors.pdf>